

Childhood Immunization Initiative Off to a Good Start

□ The success of the Childhood Immunization Initiative, now beginning its second year, will be judged, ultimately, by the extent to which it reduces the occurrence of vaccine-preventable disease. A year ago this spring, when the Initiative was announced, immunization levels were dismally low; some were falling. Morbidity was on the rise. We were experiencing widespread outbreaks of measles and rubella, mostly among school children, and pertussis, which had dropped to its lowest levels ever in 1976, was occurring with alarming frequency in our communities. The situation, compounded by public ignorance, professional apathy, and a welter of other, equally difficult issues, was bleak.

□ Many problems that plagued the early days of the new Initiative are with us still, but no longer do they appear as forbidding. To review the past year's events is to find encouraging evidence that the American people are at last ready to commit their resources and their energies to the battle against the preventable diseases of childhood.

□ I would note, in this connection, our willingness to finance the fray. In fiscal year 1976, Federal grant support for immunization activities amounted to only \$4.9 million. This year, we are funding those activities at almost five times the 1976 level, or \$23 million, and for fiscal year 1979, we are requesting \$35 million in

grant appropriations for immunization projects.

□ These categorical expenditures do not reflect the tremendous support that the Initiative is receiving from nearly a dozen other DHEW and Federal agencies. The Department of Agriculture, for example, is promoting immunization through its Extension Service. DHEW's Office of Human Development Services already has immunized 90 percent of the 424,000 children enrolled in its Head Start program.

□ Across the country, civic groups and health care providers are working together in innovative programs. Corporations are championing the benefits of immunization; labor unions are conducting education programs for their members. Parents are checking family immunization records, to make sure that they and their children are protected against measles, poliomyelitis, rubella, mumps, diphtheria, pertussis, and tetanus.

□ The apathy that I spoke of earlier has not been entirely dispelled and, in many respects, in many segments of our society, we have a long and difficult way to go. But indifference is no longer dominant. It has been replaced, I believe, by growing resolve to see a tough job through, no matter what it takes.

□ Right now, for example, 35 States and major school districts within 7 more States are strictly enforcing school entry immunization laws. Some 33 States are reviewing the immunization histories of all children enrolled in their school systems. And 17 States have moved to exclude students who have not been adequately immunized.

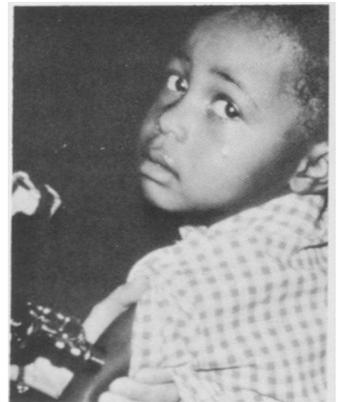
□ What of the future? In the first

10 weeks of calendar year 1978, as compared to the same period of 1977, measles, rubella, and mumps incidence decreased substantially. Measles cases were down a phenomenal 68 percent; rubella and mumps dropped 52 and 33 percent, respectively.

□ There is no doubt a correlation between these first returns of 1978 and our efforts of the preceding year. If it is tenuous, it nevertheless augurs well for the second year of our campaign and, indeed, for the eventual elimination of the preventable childhood diseases. We have made a good start. If we continue to work together, I know that we can see the Childhood Immunization Initiative through to a most successful conclusion.

Julius B. Richmond, MD
Assistant Secretary for Health
and Surgeon General
Public Health Service

Cover: Child is immunized at a DeKalb County, Ga., clinic. As the Childhood Immunization Initiative enters the second year, the Surgeon General reports on progress. Two papers in this issue are also pertinent—the need to educate both providers and consumers to achieve higher immunization levels (page 211) and how Oregon is controlling measles outbreaks (page 216).



Editorial. Childhood immunization initiative off to a good start □ *Julius B. Richmond* (cover 2)

211 Application of health education methods to achieve higher immunization rates □ *Catherine Yokan and Carol D'Onofrio*

216 Measles control in Oregon □ *Donald P. Francis, Randall S. Pope, and Edward J. Pasternak*

221 What's happening to federally aided health programs under State departments of human resources □ *Isabel B. Price*

232 Factors relating to the use of mental health services in a neighborhood health center □ *Alan M. Jacobson, Darrel A. Regier, and Barbara J. Burns*

240 Role of nonpsychiatrist physicians in the delivery of mental health services: Implications from three studies □ *Irving D. Goldberg, Haroutun M. Babigian, Ben Z. Locke, and Beatrice M. Rosen*

246 Screening for phenylketonuria in New York City. Threshold values reconsidered □ *H. Hansen, A. Shahidi, and Z. A. Stein*

252 Neurological services for Appalachian children provided by a traveling team □ *Robert J. Baumann and Mary G. Leonidakis*

258 Implementation of a peer review system for ambulatory care. Experience of the Health Insurance Plan of Greater New York □ *Jeanne Magagna Deuschle, Donald N. Logsdon, William Sollecito, William Stahl, Harry Smith, Jr., Mona Sonnenshein, and Marcia Kreitzer*

Contents continued

U.S. DEPARTMENT OF HEALTH,
EDUCATION, AND WELFARE
Joseph A. Califano, Jr., Secretary

PUBLIC HEALTH SERVICE
Julius B. Richmond, MD
Assistant Secretary for Health

HEALTH RESOURCES
ADMINISTRATION
Henry A. Foley, PhD, Administrator

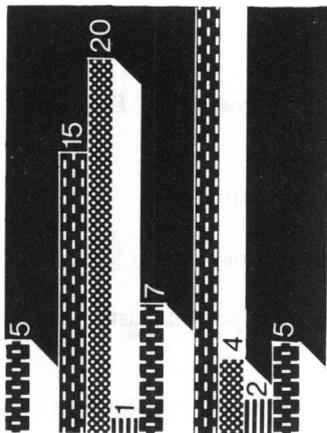
PUBLIC HEALTH REPORTS
Marian Priest Tebben, Editor
Esther C. Gould, Assistant Executive Editor
Virginia M. Larson, Managing Editor
Don Meeker, Art Director

Opinions expressed are the authors' and do not necessarily reflect the views of Public Health Reports or the Health Resources Administration. Trade names are used for identification only and do not represent an endorsement by the Health Resources Administration.

Address correspondence to:

Editor, Public Health Reports
Room 10-30 Center Bldg.
3700 East-West Highway
Hyattsville, Md. 20782
Telephone:
Area code 301-436-8992

IN THIS ISSUE ▽ 293 ▽ 303



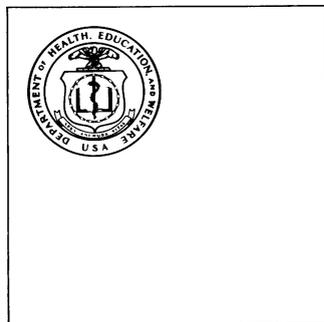
- 268 Compliance with a medical regimen for asthma: a test of the health belief model *Marshall H. Becker, Susan M. Radius, Irwin M. Rosenstock, Robert H. Drachman, Kenneth C. Schubert, and Katherine C. Teets*
- 278 Black physicians and ambulatory care *Bruce Rocheleau*
- 283 The relationships of maternal health, infant health, and sociodemographic factors to fertility. An analysis of data from the 1973 National Survey of Family Growth and the 1972 National Natality Survey *Gordon Scott Bonham and Paul J. Placek*
- 293 1976 survey of hospitals' use of fuels *Gordon W. Berg*
- 297 Plague in the continental United States, 1900-76 *Elizabeth T. Anderson*

PROGRAMS, PRACTICES, PEOPLE

- 302 Health planning guidelines issued by DHEW to help curtail unnecessary services
- 303 Free film on immunization now available
- 303 Conferences on Scientific Basis for Public Health Control of Environmental Hazards
- 303 Possible role of saccharin in human bladder cancer is studied
- 304 Blood must be labeled "paid donor" or "volunteer donor"
- 304 Prototype information system for practitioners developed at Lister Hill Center
- 305 New directory lists preceptorship programs in the health professions
- 305 Conference of the Canadian Addictions Foundation
- 305 New quarterly: Evaluation and the Health Professions
- 305 First screening examination for foreign nurse graduates
- 306 VA trains physicians in special medical problems of aging veterans
- 306 1979 WHO fellowships for U.S. health workers
- 306 Education notes
- 307 Publications
 - PHR bookshelf (cover 3)

Subscription Information

To subscribe to Public Health Reports, send check or money order—\$1.75 per single issue, \$10.35 per year (6 issues), \$12.95 for foreign mailing—to Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. All correspondence about paid subscriptions (for example, re change of address or failure to receive an issue) should also be addressed to the Superintendent of Documents.



U.S. DEPARTMENT OF HEALTH,
EDUCATION, AND WELFARE
Public Health Service
Health Resources Administration

VA Trains Physicians in Special Medical Problems of Aging Veterans

■ A new program to train experienced physicians in caring for the special medical problems of the aging population has been announced by the Veterans Administration.

The first 12 physicians who will be trained under the program are board-certified specialists in internal medicine, family practice, or psychiatry. They will be given 2 years of additional training in geriatrics and gerontology at six Veterans Administration hospitals beginning July 1, 1978. Twelve more physicians will be added to the program each year.

This program is being initiated to develop a cadre of physicians who will provide leadership in geriatrics. Max Cleland, Administrator of Veterans Affairs, said, "VA is taking this action because of our concern for the increasing age of the veteran population in this country, in the face of an almost complete lack of training elsewhere for specialists in the specific health problems of the older age group. We, therefore, will be seeking men and women who are committed to excellence as our first Fellows." Cleland pointed out that the largest segment of the veteran population, the 13.3 million who fought in World

War II, will reach an average age of 65 by 1984.

A National Academy of Sciences (NAS) study in June 1977, "Health Care for American Veterans," called for the VA to take the leadership in creating systems for providing the good-quality long-term care that aging persons often require. The NAS report noted that most health insurance programs do not provide coverage for the elderly, and the private health care system does not have the capacity to provide a full range of geriatric services.

The physicians selected to be Geriatric Fellows will receive standard VA salaries. They will be given multidisciplinary training in the management of programs for older patients. They will prepare for future roles as teachers, administrators, and policy-makers, as well as clinicians. Their training will be in hospitals and in extended and ambulatory care settings. Through joint appointments with medical schools affiliated with the hospitals, the Geriatric Fellows also are expected to stimulate undergraduate and graduate medical education in geriatrics.

1979 WHO Fellowships for U.S. Health Workers

■ The World Health Organization will make available in 1979 a limited number of short-term fellowships for travel abroad related to the "improvement and expansion of health services" in the United States. This support is limited to U.S. citizens engaged in the operational or educational aspects of public health who are employed by State or local agencies or educational institutions. Employees of the Federal Government are not eligible.

A selection committee will recommend the awarding of fellowships based on the professional background of the applicant, the field and locale of the proposed study, and the applicant's use of the experience upon his or her return. Applications will not be considered for the pursuit of pure research projects or attendance at in-

ternational meetings, or from students in the midst of training at the graduate or undergraduate level. Medical residents are considered postgraduates.

The fellowship award covers per diem and transportation. Employers of successful applicants are expected to endorse the applications and to continue the employee's salary during the fellowship. Except in unusual circumstances, the fellowship will be limited to short-term programs averaging about 2 months. Fellowships will be awarded up to the total amount of available funds. Deadline for receipt of applications is September 30, 1978.

Additional information may be obtained from Dr. Carl D. Olsen, Chief, International Education Section, Fogarty International Center, National Institutes of Health, Bethesda, Md. 20014.

education notes

Biohazard courses. Laboratory safety training courses for 1978 are being conducted by the University of Minnesota School of Public Health under contract from the National Cancer Institute Office of Research Safety.

Courses on "Biohazard and Injury Control in the Biomedical Laboratory" will be presented September 6-8 at the University of Washington, Seattle, and December 12-13 at the National Institutes of Health, Bethesda, Md. Biohazards in viral oncology research will be emphasized. The courses are aimed at senior scientists and technicians who work in fields related to cancer virology.

Two courses on "Biohazard Containment and Control of Recombinant DNA Molecules" will be conducted September 19-20 at the University of California, San Diego, and October 24-25 at the Frederick Cancer Research Center, Frederick, Md. These courses are for principal investigators, scientists, and senior technicians working with genetic recombinants. Lectures and workshops will emphasize interpretation of the NIH Guidelines for Recombinant DNA Research.

Supported by the National Cancer Institute, the courses are tuition free. Participants pay only for travel and living expenses. Enrollment is limited, and early application is recommended. Information about the courses can be obtained from Donald Vesley, PhD, Associate Professor, School of Public Health, 1158 Mayo Memorial Bldg., 420 Delaware St., SE., University of Minnesota, Minneapolis, Minn. 55455; telephone (612) 373-5943.

Thirteenth Graduate Summer Session in Epidemiology. The 1978 graduate summer session in epidemiology, sponsored by the Epidemiology Section of the American Public Health Association, the Association of Teachers of Preventive Medicine, and the American College of Preventive Medicine will be held at the University of Minnesota in Minneapolis, June 18 to July 8, 1978. The classes will meet at the School of Public Health, Health Sciences Center.

These summer graduate sessions are designed primarily for teachers in medical schools, but postdoctoral fellows, graduate students and residents in departments of preventive medicine, and students in other medical school depart-

publications

ments may qualify. Similarly, teachers, postdoctoral fellows, and graduate students in schools of public health, dentistry, and veterinary medicine are eligible, as well as qualified personnel of Federal, State, and local health agencies. The courses are accredited (category I) for the AMA Physicians Recognition Award.

In addition to two basic courses in the fundamentals of epidemiology and of biostatistics and several previously presented courses, two new courses will be presented—advanced statistical methods in epidemiology and the epidemiologic basis for health services planning and evaluation. A nationally known faculty has been recruited.

Tuition for the 3-week session will be \$400. Special rates for food and lodging in dormitories have been arranged. Grants for tuition and stipends may become available, but prospective registrants should explore other sources of funding as soon as possible.

Further information and application forms for the 1978 session may be obtained from Dr. Leonard M. Schuman, Director, Graduate Summer Session in Epidemiology, University of Minnesota School of Public Health, 1-117 Health Science Unit A, 515 Delaware St., SE., Minneapolis, Minn. 55455.

Symposium on Human Performance in Business and Industry. A 2-day conference, sponsored by Crown Zellerbach Canada Ltd., and Simon Fraser University (Vancouver, Canada), will examine the problem of health and fitness in relation to job satisfaction and productivity. To be held in Richmond, British Columbia, Canada, May 8-9, 1978, the symposium will include special workshops on health problems of the executive, the physically handicapped, the elderly, and the inexperienced worker. Other topics to be considered will be employee-fitness testing, fatigue-related injury, boredom and absenteeism, the design of the workspace, and modified work conditions. Internationally recognized specialists will participate in the conference.

For brochures and further information, contact Continuing Studies in Kinesiology, Simon Fraser University, Burnaby, British Columbia V5A 1S6; telephone (604)291-4565 or 4304.

FEDERAL

Policy Analysis for Physician Manpower Planning. *DHEW Publication No. (HRA) 78-2. 1977; 124 pages.*

State Estimates of Disability and Utilization of Medical Services: United States, 1969-71. Derived from the Health Interview Survey. *DHEW Publication No. (HRA) 77-1241. January 1977; 108 pages; \$1.80 (Stock No. 017-022-00531-0).*

Methodologic Problems in Children's Spirometry. *DHEW Publication No. (PHS) 78-1346, Series 2, No. 72. November 1977; 43 pages (Stock No. 017-022-00602-0).*

Statistics Needed for Determining the Effects of the Environment on Health. Report of the Technical Consultant Panel to the United States National Committee on Vital Statistics. *DHEW Publication No. (HRA) 77-1457, Series 4, No. 20. July 1977; 49 pages (Stock No. 017-022-00561-1).*

Blood Pressure Levels of Persons 6-74 Years, United States, 1971-1974. *DHEW Publication No. (HRA) 78-1648, Series 11, No. 203, September 1977; 103 pages.*

Inpatient Utilization of Short-Stay Hospitals by Diagnosis, United States, 1974. *DHEW Publication No. (HRA) 77-1783, Series 13, No. 30. July 1977; 72 pages (Stock No. 017-022-00565-4).*

Measurements of the Performance Parameters of Gamma Cameras: Part I. By Gerald J. Hine, Peter Paras, and Charles P. Warr. *DHEW Publication No. (FDA) 78-8049. December 1977; 43 pages.*

A Review of the Use of Ionizing Radiation for the Treatment of Benign Diseases. Vol. 1. *DHEW Publication No. (FDA) 78-8043. September 1977; 53 pages.*

Children Who Received Physicians' Services Under the Crippled Children's Program, Fiscal Year 1973. *DHEW Publication No. (HSA) 77-5731, MCH Statistical Series No. 10. 1977; 32 pages.*

Development of Clinic-Based Occupational Safety and Health Program for Small Businesses. Seminar-Workshop proceedings. *DHEW Publication No. (NIOSH) 77-172. 1977; 177 pages.*

General Clinical Research Center. Patient Information. *DHEW Publication No. (NIH) 77-82. 1977; 6 pages.*

National Institutes of Health Annual Report of International Activities, Fiscal Year 1976. Prepared by John E. Fogarty International Center for Advanced Study in the Health Sciences. *DHEW Publication No. (NIH) 78-62. 1977; 117 pages.*

The School Health Curriculum Project. *DHEW Publication No. (CDC) 78-8359. December 1977; 52 pages.*

Teaching Mothers Mothering. By Herbert Yahraes. *DHEW Publication No. (ADM) 77-520. 1977; 19 pages (Stock No. 017-024-00697-1).*

Summary Proceedings. Tripartite Conference on Prevention. Sponsored by Alcohol, Drug Abuse, and Mental Health Administration. *DHEW Publication No. (ADM) 77-484. 1977; 105 pages.*

History, Methodology, and Uses of the Client-Oriented Data Acquisition Process (CODAP-1977). By William H. Spillane and Eduardo N. Siguel. *DHEW Publication No. (ADM) 78-572, Series A, No. 1. 1977; 18 pages.*

Readings in Psychotherapy With Older People. Edited by Steven Steury and Marie L. Blank. *DHEW Publication No. (ADM) 77-409. 1977; 233 pages.*

Maintenance of Family Ties of Long-Term Care Patients. By Rose Debrof and Eugene Litwak. *DHEW Publication No. (ADM) 77-400. 1977; 116 pages; \$2.75 (Stock No. 017-024-00637-8).*

Research on the Mental Health of the Aging, 1960-1976. *DHEW Publication No. ADM 77379. 1977; 69 pages; \$2.20 (Stock No. 017-024-00624-6).*

Federal publications listed are obtainable from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Orders should be accompanied by check or money order and should identify the publication. (Publications without prices may be obtained from the agency.)

WORLD HEALTH ORGANIZATION

Child Mental Health and Psychosocial Development. Report of a WHO Expert Committee. *WHO Technical Report Series, No. 613. 1977; 71 pages; \$2.80*

(ISBN 92 4 1206136); Geneva. (French, Russian, and Spanish editions in preparation.)

WHO Expert Committee on Specifications for Pharmaceutical Preparations. Twenty-Sixth report. *WHO Technical Report Series, No. 614*. 1977; 53 pages; \$2.80 (ISBN 92 4 120614 4); Geneva. (French, Russian, and Spanish editions in preparation.)

Health Services: Concepts and Information for National Planning and Management. By K. L. White, D. O. Anderson, E. Kalimo, B. M. Kleczkowski, T. Purola, and C. Vukmanovic. *Public Health Papers No. 67*. 1977; 117 pages (ISBN 92 4 130067 1); Geneva. (French, Russian, and Spanish editions in preparation.)

The SI for Health Professions. Prepared at the request of the Thirtieth World Health Assembly (ISBN 92 4 154059 1). 1977; 75 pages; \$2.25; Geneva. (French edition in preparation.)

Guide to Hygiene and Sanitation in Aviation. By James Bailey (ISBN 92 4 15423 7). 1977; 162 pages; \$2.60; Geneva. (French and Spanish editions in preparation.)

International Proprietary Names (INN) for Pharmaceutical Substances. Cumulative List No. 5 (ISBN 92 4 056011 4). 1977; 352 pages; \$19.20; Geneva.

WHO publications may be obtained from Q Corp., 49 Sheridan Ave., Albany, N.Y. 12210.

NON-FEDERAL

What You Should Know About Drug Abuse. By Jules Saltman. *Public Affairs Pamphlet No. 550*. September 1977; 28

pages; 50 cents. *Public Affairs Pamphlets, 381 Park Ave. South, New York, N.Y. 10016.*

Growing Up Handicapped. A guide for parents and professionals to helping the exceptional child. By Evelyn West Ayrault, 1978; 216 pages; \$9.95. *A Continuum Book. The Seabury Press, 815 Second Ave., New York, N.Y. 10017.*

Payer, Provider, Consumer: Industry Confronts Health Care Costs. *Springer Series on Industry and Health Care, No. 1*. By Diana Chapman Walsh and Richard H. Egdahl. 1977; 117 pages; \$7.80. A Business Perspective on Industry and Health Care. *Springer Series on Industry and Health Care, No. 2*. By Willis B. Goldbeck. 1977; 70 pages; \$7.80. Background Papers on Industry's Changing Role in Health Care Delivery. *Springer Series on Industry and Health Care, No. 3*. Edited by Richard H. Egdahl. 1977; 198 pages. \$29.80. *Springer-Verlag New York, 175 Fifth Ave, New York, N.Y. 10010.*

Economics in Health Care. Edited by Howard J. Berman and Lewis E. Weeks. 1977; \$19.95. *Aspens Systems Corp., 20010 Central Blvd., Germantown, Md. 20767.*

The Role of Nutrition in Family Planning. By Audrey Belford and Jeanne Billie; Edited by Margaret B. Dollar. 1977; 75 pages; \$3.50. *Regional Training Center for Family Planning, Emory University School of Medicine, Department of Gynecology and Obstetrics, Rm. 102, Hartford Bldg., 100 Edgewood Ave., Atlanta, Ga. 30303.*

Nursing Students' Perception of the Urban Poor (*League Exchange No. 115*). By Doris Y. Mosley. *Publication No. 23-1694*. 1977; 56 pages; \$4.95. Guidelines for Implementation of Open Cur-

riculum Practices in Nursing Education. Prepared by NLN staff in cooperation with the Open Curriculum Practices Committee. *Publication No. 19-1701*. 1978; 24 pages; \$2.95. Expansion of Home Health Services and the Community Health Services System. *Publication No. 21-1699*. 1977; 34 pages; \$2.95. Education for Nursing: The Diploma Way—1977-78. *Publication No. 16-1314*. 1977; 30 pages; 75 cents. Instructional Innovations: Ideals, Issues, Impediments. *Publication No. 16-1687*. 1977; 165 pages; \$7.95. A Plan for Nurse Staffing in Hospital Emergency Services (*League Exchange No. 116*). By Joanne S. Stevenson, Nancy Brunner, and Jean Larabee. *Publication No. 20-1696*. 1978; 80 pages; \$5.95. Scholarships and Loans for Beginning Education in Nursing. *Publication No. 41-410*. 1977; 14 pages; 75 cents. Scholarships, Fellowships, Educational Grants and Loans for Registered Nursing. *Publication No. 41-408*. 1977; 10 pages; 75 cents. Master's Education in Nursing: Route to Opportunities in Contemporary Nursing—1977-78. *Publication No. 15-1312*. 1977; 25 pages; 25 cents. Baccalaureate Education in Nursing: Key to a Professional Career in Nursing—1977-78. *Publication No. 15-1311*. 1977; 26 pages; 75 cents. Development of Competencies in Associate Degree Nursing: A New Perspective. By Carol Jean Peterson. *Publication No. 23-707*. Selected Bibliography on Associate Degree Nursing Education, 1977-78. *Publication No. 23-1369*. 1977; 16 pages; \$1.50. *National League for Nursing, 10 Columbus Circle, New York, NY. 10019.*

Order non-Federal publications from publisher or sponsoring agency.



SUBSCRIPTION ORDER FORM

PLEASE PRINT OR TYPE

@ \$10.35 for mailing within the United States and its possessions. For mailing to all other countries, add \$2.60 for foreign handling.

NAME—FIRST, LAST		
COMPANY NAME OR ADDITIONAL ADDRESS LINE		
STREET ADDRESS		
CITY	STATE	ZIP CODE

Remittance Enclosed (Make checks payable to Superintendent of Documents)

Charge to my Deposit Account No.

MAIL ORDER FORM TO:
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402